



WHITEPAPER

USE GENERATIVE AI TO CLASSIFY AND LABEL LARGE VOLUMES OF UNSTRUCTURED DATA

KEY TAKEAWAYS



The paper-work is time consuming and the retrieval is equally tedious.



Generative AI improves the speed of RPA bot creation and hence process automation.



The software development CoPilot has the potential for automating complex processes.



Businesses have to process and manage high volumes of documents. Manufacturing, Logistics, Supply Chains, Banks, Financial Services, Insurance, Healthcare, Travel & Hospitality are just some of the major industries that are document-intensive. Being process and document-intensive, they have to track and maintain documents always on a daily basis for audit-purpose. The paper-work is time consuming and the retrieval is equally tedious. Automation has the right answers for seamless storage, classification, and retrieval of unstructured to multi-structured documents.

Generative AI takes the automation a step further to generate customized bots for automation. Generative AI with its untapped potential can be used for innumerable automation solutions.

PROBLEM STATEMENT

To expedite classification of high volumes of unstructured documents.

SOLUTION

Generative AI has a huge potential for automation limited only by human creativity and imagination. Businesses can use Generative AI to automate the most complex of business processes. One such complex process is automating the process for analyzing, labelling, and classifying documents that reach the process executive's desk in unstructured to multi-structured format.

Generative AI is adept at taking instructions in natural language or plain English language text to build code for designing a bot. Businesses can use Generative AI's CoPilot functionality to create an **RPA bot that automates the process of document image analysis, labelling, and classification**. The RPA bot thus automates and simplifies the tedious manual process.

Businesses can go a step ahead and train the RPA bot to store the labelled and classified documents in ECM solutions for easy search and retrieval. The document links then can be propagated across the hierarchy instead of the physical document. A licensed Cloud-Native Generative AI CoPilot eliminates the risk associated with Open Source versions to offer a secure environment to data while in transit and at rest.

Generative AI augments the human capability to automate possibilities that were unimaginable till recent times. The fact that it can create code and build bots by using simple natural English language opens up vast possibilities for automating processes. It not only improves scope for automation but also the citizen software developer community's productivity and efficiency.

Traditionally, automation adoption lags behind the scope and potential for automation. With the increase in adoption and integration of licensed Cloud-Native Generative AI CoPilot in the workflow, seemingly impossible scenarios have opened up for automation adoption. This automation push significantly drives up the quantum of work that is delivered on a daily basis.

Advantages of Generative AI driven RPA-bot Automation

- Simplifies RPA bot creation for automating simple to complex processes
- Enables citizen developers build automation solutions using simple English language
- Offers a safe and secure environment for automation
- Provides a flexible platform for CoPiloting automation solutions
- Helps integrate the bot starting and ending destinations with different Productivity solutions
- Simplifies in-house automation by using enterprise-grade Cloud Native Generative AI versions

SIMPLY PUT

Automation adoption scale lags behind the potential for automation. With the integration of Generative AI in development workflows, the scope for automation has increased. Complex processes, such as analyzing and categorizing heavy documentation, can be automated by building customized RPA bot solutions in a dynamic environment. The speed of delivering the bots and hence the workflow automation rises exponentially to build a highly productive work environment.



ABOUT THE AUTHOR

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Navin is the EVP & Head-BPM Services. He spearheads all operations and transformations in the BPM space and works towards achieving client satisfaction by ensuring all of Datamatics' deliverables reach its clients with top-grade quality. He is responsible for operational excellence, institutionalizing, and building operational rhythm.

Navin has over 30 years of experience in managing operations, leading ERP practices and implementations, software and services delivery, system analysis & design, business analysis, management consultancy, corporate planning, equity research, and financial analysis. He has a rich experience of working in both IT Outsourcing and Manufacturing setups. Before joining Datamatics, Navin has worked with several reputed IT organizations, including iGate, Genpact, Birlasoft, and Polaris.

Navin holds Master's degrees in Economics and Oracle Application and a DBF from ICFAI. He is also trained in TQM and is Six Sigma Certified.

ABOUT DATAMATICS

Datamatics enables enterprises to go Deep in Digital to boost their productivity, customer experience, and competitive advantage. Datamatics' portfolio spans across three pillars of Digital Technologies, Digital Operations, and Digital Experiences.

It has established products in Intelligent Document Processing, Robotic Process Automation, AI/ML models, Smart Workflows, Business Intelligence, and Automatic Fare Collection.

Datamatics caters to a diverse global clientele across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing.

The Company has a presence across four continents with significant delivery centers in the USA, India, and the Philippines. To learn more about Datamatics, visit www.datamatics.com

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